



SEQUENCE LISTING

<110> Terajima, Masanori
Cruz, John
Ennis, Francis A.

<120> Identification of Gene Sequences and
Proteins Involved in Vaccinia Virus Dominant T Cell Epitopes

<130> 0746.2003-001

<140> US 10/764,985

<141> 2004-01-26

<150> US 60/442,846

<151> 2003-01-24

<160> 33

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 9

<212> PRT

<213> Unknown

<220>

<223> 74A peptide of MVA

<400> 1

Cys Leu Thr Glu Tyr Ile Leu Trp Val

1

5

<210> 2

<211> 9

<212> PRT

<213> Unknown

<220>

<223> 165 peptide of MVA

<400> 2

Lys Val Asp Asp Thr Phe Tyr Tyr Val

1

5

<210> 3

<211> 9

<212> PRT

<213> Unknown

<220>

<223> 165 peptide of Monkeypox (Zaire-96-I-16)

<400> 3

Lys Val Asp Tyr Thr Leu Tyr Tyr Val
1 5

<210> 4

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 4

Ile Leu Thr Glu Tyr Ile Leu Trp Val
1 5

<210> 5

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 5

Leu Leu Thr Glu Tyr Ile Leu Trp Val
1 5

<210> 6

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 6

Phe Leu Thr Glu Tyr Ile Leu Trp Val
1 5

<210> 7

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 7

Cys Leu Ala Glu Tyr Ile Leu Trp Val
1 5

<210> 8
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 74A peptide

<400> 8
Cys Leu Tyr Glu Tyr Ile Leu Trp Val
1 5

<210> 9
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 74A peptide

<400> 9
Cys Leu Phe Glu Tyr Ile Leu Trp Val
1 5

<210> 10
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 74A peptide

<400> 10
Cys Leu Thr Glu Ile Ile Leu Trp Val
1 5

<210> 11
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 74A peptide

<400> 11
Cys Leu Thr Glu Lys Ile Leu Trp Val
1 5

<210> 12
<211> 9
<212> PRT
<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 12

Cys Leu Thr Glu Asn Ile Leu Trp Val

1

5

<210> 13

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 13

Cys Leu Thr Glu Tyr Ile Ala Trp Val

1

5

<210> 14

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 14

Cys Leu Thr Glu Tyr Ile Tyr Trp Val

1

5

<210> 15

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 15

Cys Leu Thr Glu Tyr Ile His Trp Val

1

5

<210> 16

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 16

Ile Leu Ala Glu Tyr Ile Leu Trp Val
1 5

<210> 17

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 17

Ile Leu Ala Glu Ile Ile Leu Trp Val
1 5

<210> 18

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 74A peptide

<400> 18

Ile Leu Ala Glu Ile Ile Ala Trp Val
1 5

<210> 19

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 165 peptide

<400> 19

Ile Val Asp Asp Thr Phe Tyr Tyr Val
1 5

<210> 20

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 165 peptide

<400> 20

Leu Val Asp Asp Thr Phe Tyr Tyr Val
1 5

<210> 21
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 21
Phe Val Asp Asp Thr Phe Tyr Tyr Val
1 5

<210> 22
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 22
Lys Val Ala Asp Thr Phe Tyr Tyr Val
1 5

<210> 23
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 23
Lys Val Tyr Asp Thr Phe Tyr Tyr Val
1 5

<210> 24
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 24
Lys Val Phe Asp Thr Phe Tyr Tyr Val
1 5

<210> 25
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 25
Lys Val Asp Asp Ile Phe Tyr Tyr Val
1 5

<210> 26
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 26
Lys Val Asp Asp Lys Phe Tyr Tyr Val
1 5

<210> 27
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 27
Lys Val Asp Asp Tyr Phe Tyr Tyr Val
1 5

<210> 28
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 28
Lys Val Asp Asp Thr Phe Ala Tyr Val
1 5

<210> 29
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Possible mutant of 165 peptide

<400> 29

Lys Val Asp Asp Thr Phe His Tyr Val
1 5

<210> 30

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 165 peptide

<400> 30

Ile Val Ala Asp Thr Phe Tyr Tyr Val
1 5

<210> 31

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 165 peptide

<400> 31

Ile Val Ala Asp Ile Phe Tyr Tyr Val
1 5

<210> 32

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 165 peptide

<400> 32

Ile Val Ala Asp Ile Phe Ala Tyr Val
1 5

<210> 33

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Possible mutant of 165 peptide

<400> 33

Leu Val Tyr Asp Lys Phe His Tyr Val
1 5